

TOWN OF WOODSTOCK

Request for Proposal

Salt/Sand Shed

The Town of Woodstock is seeking proposals from *qualified companies* to purchase and install a new sand and salt shed.

- 38'W x 100'L building to store road sand and salt
 - Two Endwalls
 - One sidewall enclosed
 - One sidewall with five 20' wide (c-c) x 16' tall framed openings
- Building to be erected on concrete poured foundations extending 6' above grade on the rear sidewall and both endwalls, piers at grade on the front sidewall (concrete by others)
- Work must be completed within 120 days after notice to proceed.

WORK BY OTHERS

- Site Prep
- Concrete foundation and foundation design
- Aggregated base under paving
- Bituminous paving
- Electrical

DESCRIPTION

Provide design and construction for a permanent rectangular shape tension membrane covered truss type building. The structure shall meet or exceed the performance criteria of this specification.

In comparing proposals, comparisons will not be confined to price only. The successful proposer will be one whose product is judged as best serving the interests of The Town by way of product, quality, delivery, and price. The Town also reserves the right to reject any or all proposals or any part thereof and to waive any minor technicalities. A contract will be awarded to the proposer submitting the best responsible proposal meeting the product requirement.

APPROVAL OF PLANS

Upon award of this contract, the contractor shall furnish detailed drawings for all structural work stamped by an engineer certified by the state where the project is located to verify compliance to the local building code.

All work to be performed under the conditions of this specification shall comply with the rules and regulations of all agencies having jurisdiction for this classification of construction and design and shall conform to the applicable live loads due to wind, rain, and snow.

FABRIC WARRANTY: All membranes used are to be North American-made, water and mildew-resistant, insect-proof, and UV-stabilized. They are to withstand extreme climatic variations and contain ultraviolet inhibitors to reduce degradations by the sun's rays. The manufacturer is to provide a minimum of **20-year** pro-

rata warranty on non-fire-rated and a 15-year pro-rata warranty on fire-rated fabric according to the standard manufacturer's warranty.

STRESS TRUSS WARRANTY: Truss Framework tubing must be Hot Dip Galvanized inside and out of the tubing *completely after fabrication*. Failure to provide proof of this will cause the bid to be denied. The manufacturer will provide a minimum **20-year** pro-rata warranty on the trusses according to the standard manufacturer's warranty.

DIMENSIONS

- 38'W x 100'L rectangular building
- The structure shall be arched shaped in profile
- The structure shall provide for a minimum interior clearance of 27'-2" from the finished floor to the underside of the truss system in the center of the building for unobstructed loading and unloading of material into the bunker.
- Structure shall have column and beam framing system with 5 equal portals along one sidewall.
- Center to center of the column system shall be approximately 20'.
- Clear height under beam shall be 16'

SCOPE OF WORK

Provide design and construction for a permanent rectangular shape tension membrane covered truss type building. The structure shall meet or exceed the performance criteria of this application.

- Building shall be mounted on cast-in-place concrete wall foundation:
 - Walls shall be 6 feet above grade
 - Piers to be placed at grade at front sidewall column locations
- Truss spacing shall be a maximum of 8 feet on center
 - All excavation and backfill will be performed by others
- Two Endwalls
- Fabric terminated to the top of the concrete wall foundation

MATERIALS

The stressed membrane structure must be designed to shed snow before the design load is exceeded or alternatively provide structural capacity to meet or exceed the required roof snow load requirements of the specified site. The architectural membrane shall be continuous from the base of the structure to the peak and manufactured in such a way that no eave will exist.

The membrane used in the building design shall be designed to withstand the corrosive UV light according to the manufacturer's warranty.

Base tensioning system: The membrane cladding will be provided with a mechanical tensioning system that allows the membrane to be fully tensioned around the structure perimeter of each panel. The system will be designed such that the membrane can be tightly and neatly secured over the structural frame and that the system has a remaining range of adjustment.

All anchor bolts, bolts and washers, etc., shall be **Hot Dip Galvanized**.

Building Erector: Crew supervisor shall provide a minimum 10-Hour OSHA Card prior to work commencement. All workers on site shall provide all applicable equipment operator certifications prior to work commencement.

ENGINEERING DESIGN CRITERIA

1. IBC 2015	ASCE 7 – 16
2. SNOW LOAD	75 PSF ground snow load
3. COLLATERAL LOAD	0.25 pounds per square foot projected over the entire roof.
4. WIND LOAD	105 V-ult
5. EXPOSURE	C
6. OCCUPANCY CATEGORY	CAT I – Low Human Occupancy
7. RAINFALL	4” per hour, for at least 2 hours
8. USE GROUP	S-2
9. CONSTRUCTION TYPE	II-B
10. FLAMMABILITY	ASTM E84
11. WIND IMPORTANCE FACTOR	1.0
12. SNOW IMPORTANCE FACTOR	0.8
13. SEISMIC DESIGN CATEGORY	B

The structure shall be capable of being assembled, operated, and dismantled in all ambient temperatures between -20F and 120F.

**Submit sealed proposals to the Selectmen’s Office
PO Box 156, N. Woodstock, NH 03262**

- ❖ On or Before June 29, 2023, at 3:00 PM
- ❖ Opened/Awarded June 30, 2023, at 1:00 PM at a Hybrid Selectmen’s Workshop
- ❖ Mark Envelope **Salt/Sand Shed**

Join Zoom Meeting

<https://us06web.zoom.us/j/82837035047?pwd=VGNSSllrOVJFOVY1STM4Y3JVR0tKQT09>

Meeting ID: 828 3703 5047

Passcode: 585835

One tap mobile

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+13092053325,,82837035047#,,,,*585835# US

Dial by your location

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• +1 312 626 6799 US (Chicago)

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• +1 646 931 3860 US

• +1 301 715 8592 US (Washington DC)

• +1 360 209 5623 US

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- +1 719 359 4580 US
- +1 720 707 2699 US (Denver)
 - +1 253 205 0468 US
- +1 253 215 8782 US (Tacoma)
- +1 346 248 7799 US (Houston)

Meeting ID: 828 3703 5047

Passcode: 585835

Contact Michael Welch, Director of Public Works, at 603-348-8783 or publicworks@woodstocknh.gov for details.

The Town of Woodstock Board of Selectmen reserves the right to accept or reject proposals in the best interest of the Town.